

# Patent Abstracts of Japan

PUBLICATION NUMBER : 58051472  
PUBLICATION DATE : 26-03-83

APPLICATION DATE : 19-09-81  
APPLICATION NUMBER : 56148304

APPLICANT : HITACHI MAXELL LTD;

INVENTOR : KAWAKAMI AKIRA;

INT.CL. : H01M 4/06

TITLE : MANUFACTURE OF POSITIVE ELECTRODE FOR SOLID ELECTROLYTE BATTERY

ABSTRACT : PURPOSE: To manufacture a thin positive electrode, which can suppress increase of the internal resistance which accompanies discharge, by mixing a positive active material with an associated complex of tetracyano quinodimethane, a high- molecular binder and a proper solvent, and removing the said solvent after thus prepared mixture is formed into a sheet.

CONSTITUTION: A positive electrode for a solid electrolyte battery which contains Li as a negative active material, and at least one compound chosed from among a metal halide, a metal oxide and a metal sulfide as a positive active material is manufactured in such a way as follows. At first, the positive active material is mixed with an associated complex of 7, 7, 8, 8-tetracyano quinodimethane (TCNQ), a macromolecular binder, and a solvent in which TCNQ and the above binder are soluble. Next, thus prepared mixture paste or slurry is formed into a sheet by coating or rolling. After that, the sheet is dried so as to remove the solvent, thereby obtaining the above positive electrode.

COPYRIGHT: (C)1983,JPO&Japio